

Patent Claims

1. A method for implementing a call back service in a mobile radio network containing

5 - a service control point (SCP),

- a first mobile switching center (MSC) in a first subnetwork (VPLMN),

- a second mobile switching center (GMSC) in a second subnetwork (HPLMN)

10 - a home location register (HLR)

in which a service call (A) is transmitted from a caller (A party) via the first mobile switching center (MSC) from the first subnetwork (VPLMN) to the home location register (HLR) and

15 is forwarded by the latter to the service control point (SCP), and

the service call is analyzed by the service control point, especially the information relating to caller (A party) and called party (B party), and

20 a first call set-up is then initiated to the caller (24, 8) and

a second call set-up is initiated to the called party.

25 2. The method as claimed in claim 1, characterized in that the first and the second call set-up are initiated by the second switching centre (GMSC).

30 3. The method as claimed in claim 2, characterized in that the service control point sends a connection set-up request (ICA) to the second switching center (GMSC).

4. The method as claimed in one of the preceding claims, characterized in that

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a function in the home location register (HLR) is started by the header in the service call.

5. The method as claimed in claim 4, characterized in that the service call (USSD string) is supplemented by the call number (MSISDN) of the calling party by the HLR before it is forwarded to the service control point.

10. 6. The method as claimed in one of the preceding claims, characterized in that the receipt of the service call is acknowledged to the A party (MSC) by the service control point (SCP) (C, D).

15. 7. The method as claimed in one of the preceding claims, characterized in that in the case of a successful call set-up ("answer", 15), the second switching center GMSC generates charging information (AMA Ticket).

20. 8. The method as claimed in one of claims 1 to 5, characterized in that in the case of an unsuccessful call set-up attempt (no_answer, 15), the IN service call is ended in an ordered manner by the service (UCB) (ReleaseCall).

25. 9. The method as claimed in one of the preceding claims, characterized in that the subscriber has subscribed to a further IN service (PRS) and the service control point sends a connection set-up request (ICA) to the second switching center (GMSC), this connection set-up request being supplemented by an identity of the subscribed service (XXX).

30. 35. 10. The method as claimed in one of the preceding claims, characterized in that

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IN dialogues produced with respect to the call originally received MTC are suppressed at the service control point (SCP).

5 11. The method as claimed in one of claims 9 or 10, characterized in that after the successful connection set-up ("answer", 9) to the calling party, a connection set-up to the called party is requested, the number originally dialled being supplemented by an identity of the service control point (SCP) responsible for the further IN service (PPS) (YYY).

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